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FEB 06 2006
PATENT & TRADEMARK OFFICE

FIG. 1

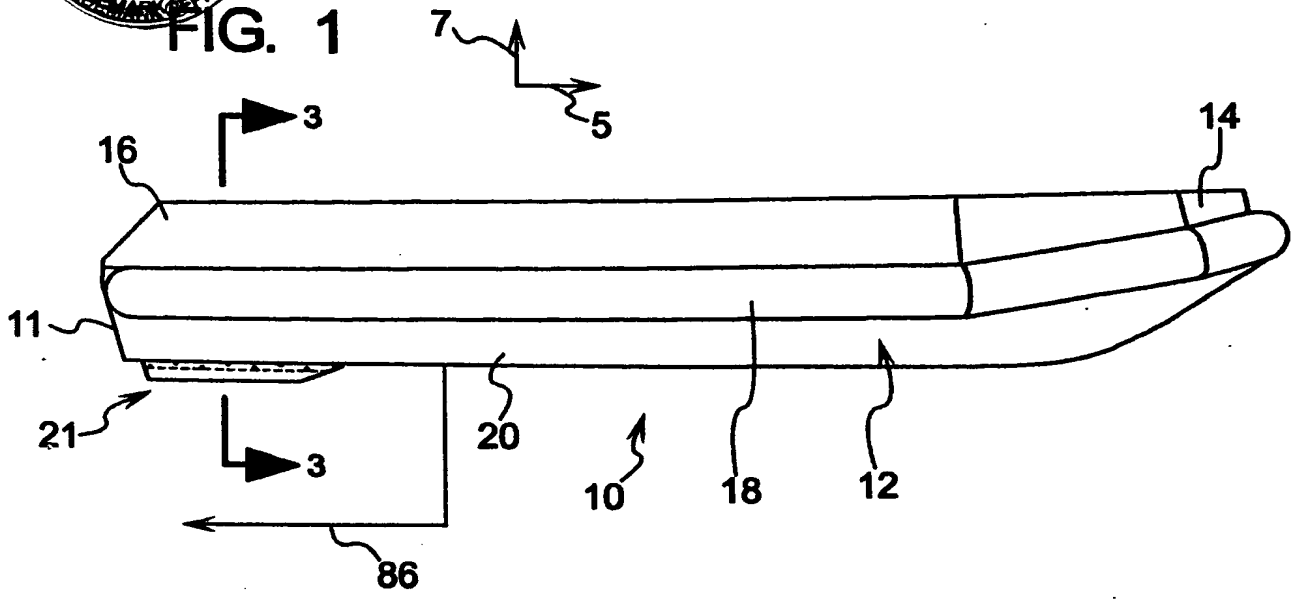


FIG. 2

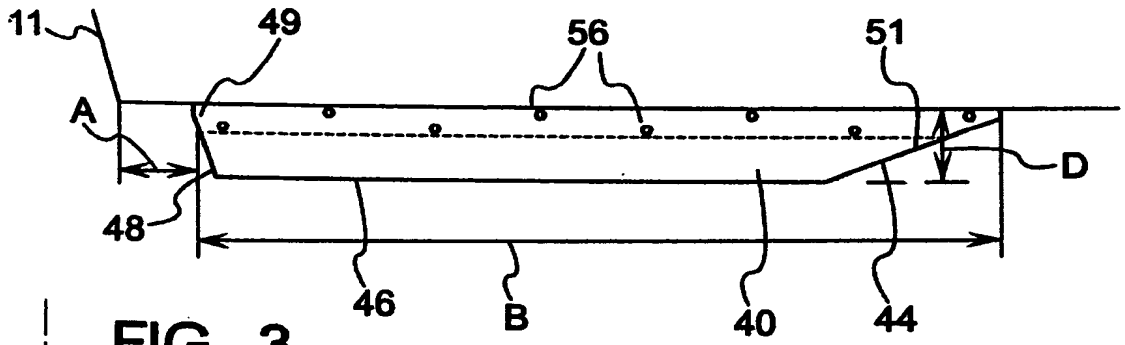


FIG. 3

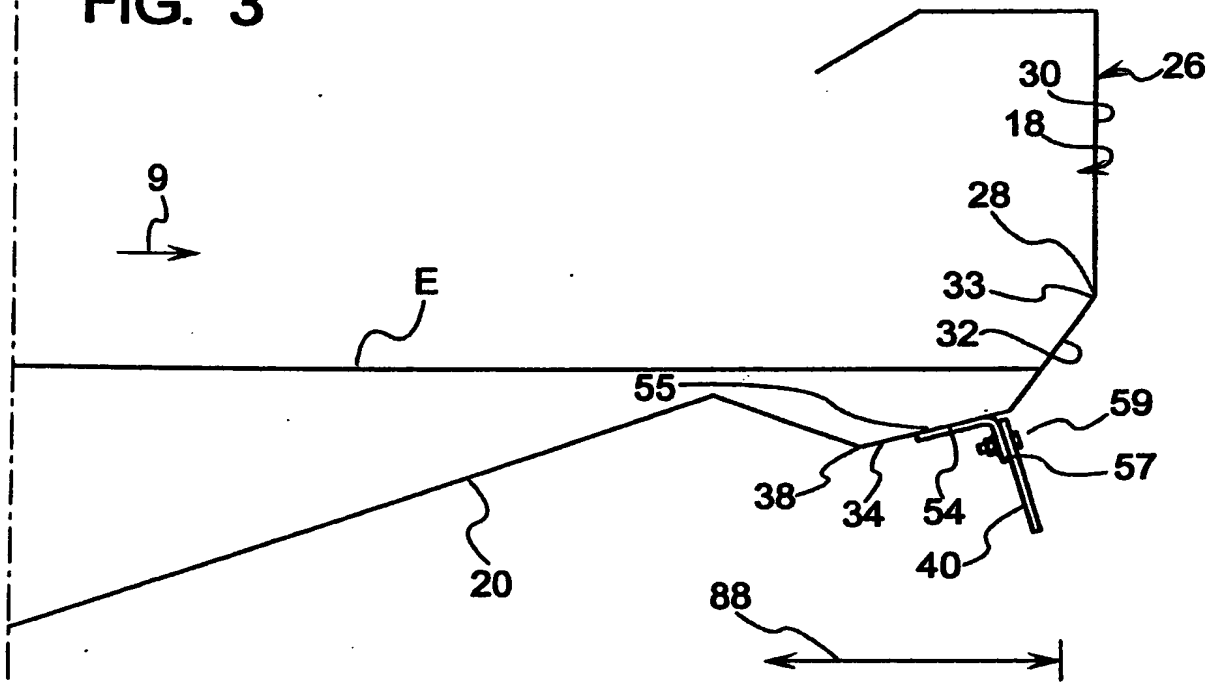


FIG. 4

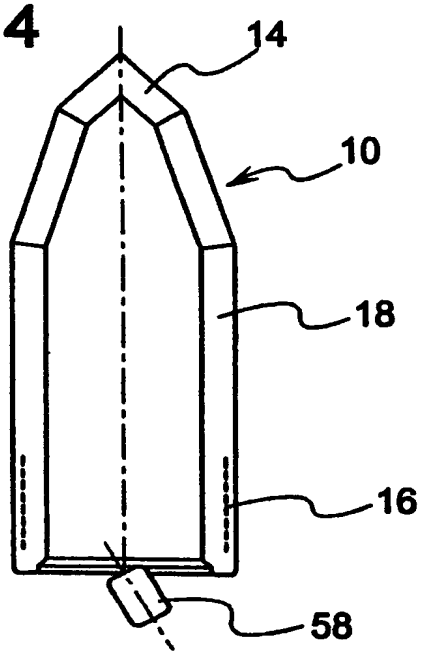


FIG. 5

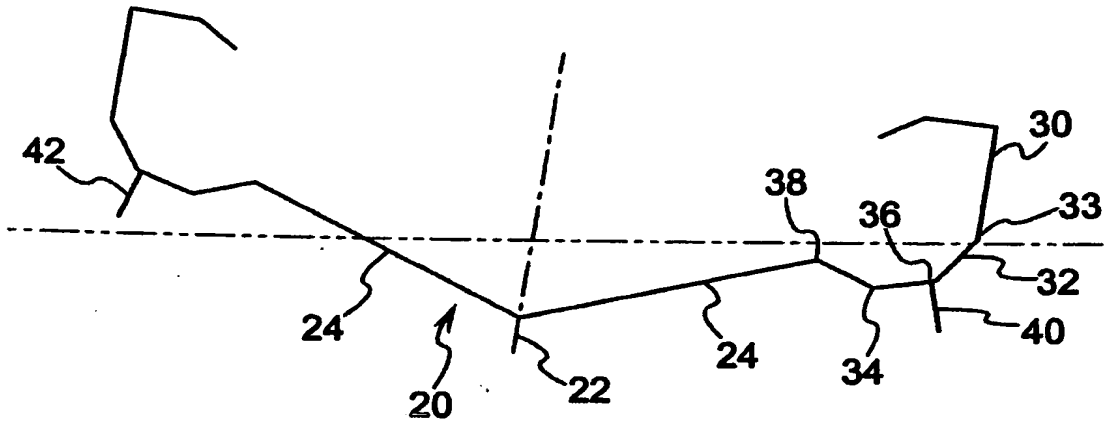
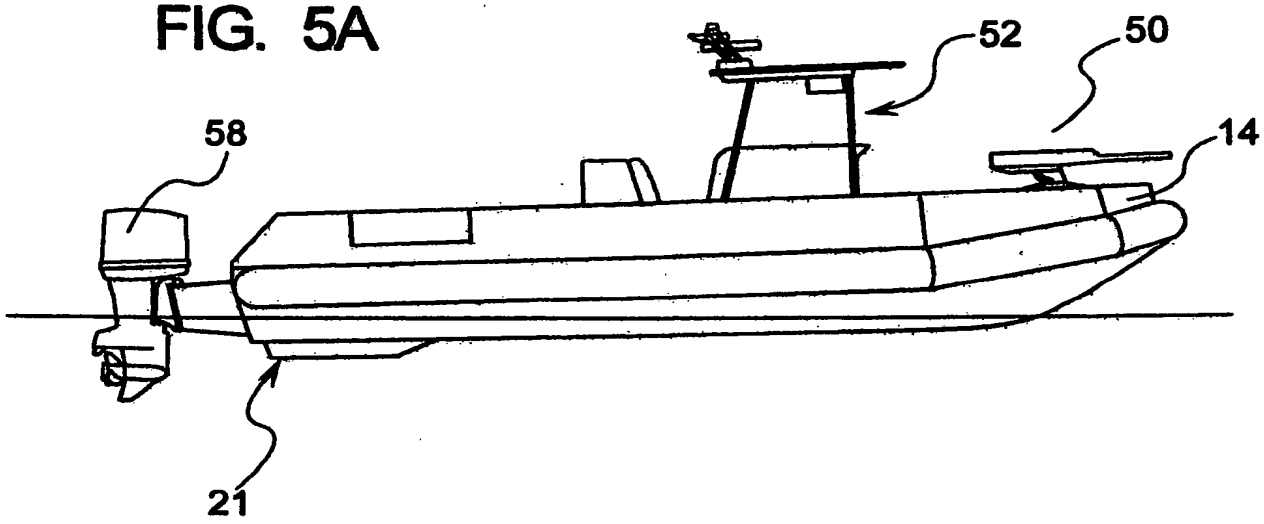


FIG. 5A



4B

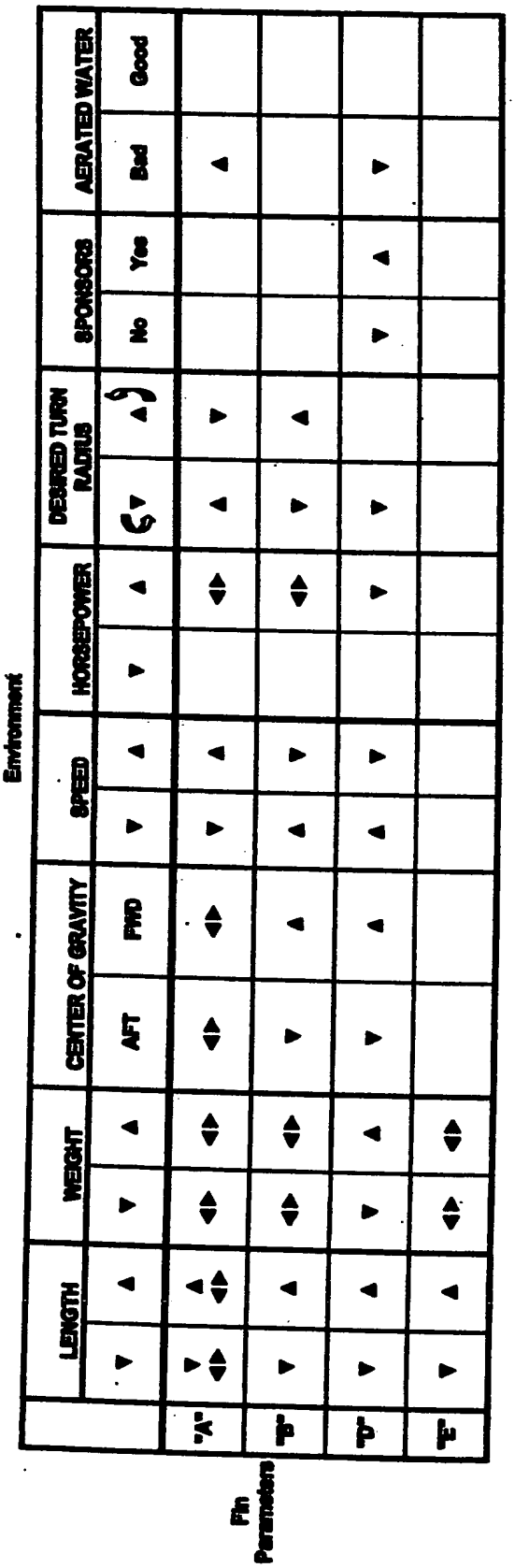

Environment
Fin Parameters
LENGTH
WEIGHT
CENTER OF GRAVITY
AFT
FWD
SPEED
HORSEPOWER
DESIRED TURN RADIUS
SPONSORS
No
Yes
AERATED WATER
Bad
Good
"A"
"B"
"D"
"E"

Fig. 6

Upper Parameter "B" Values for 25' boat.

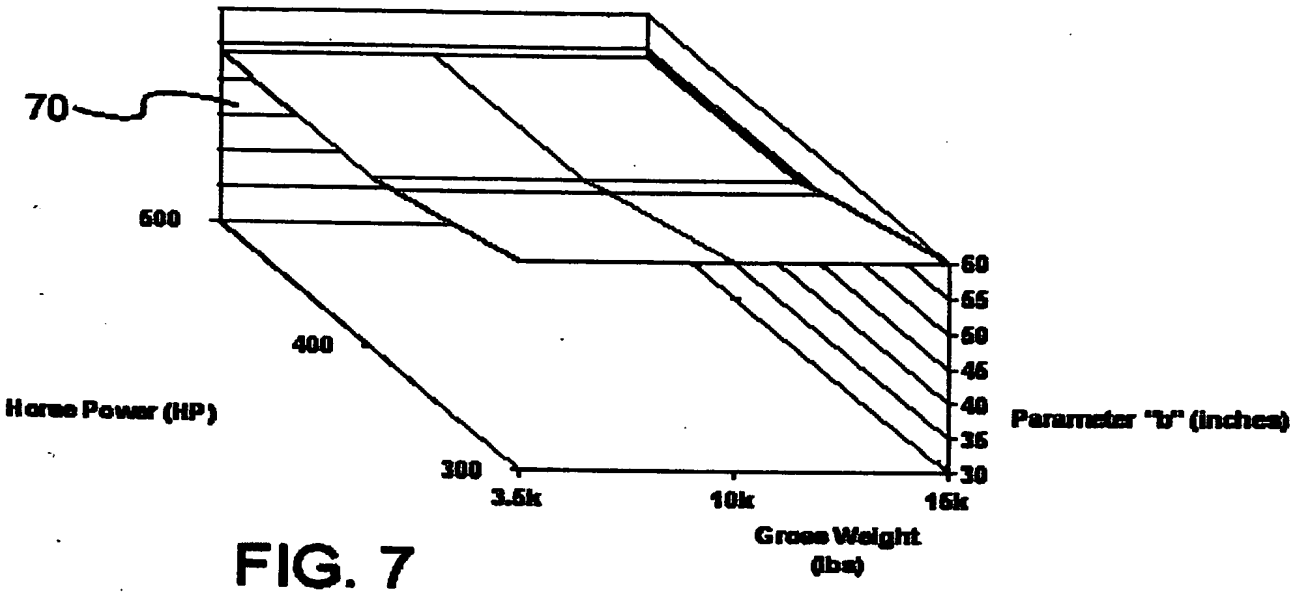


FIG. 7

Lower Parameter "B" values for 25' boat.

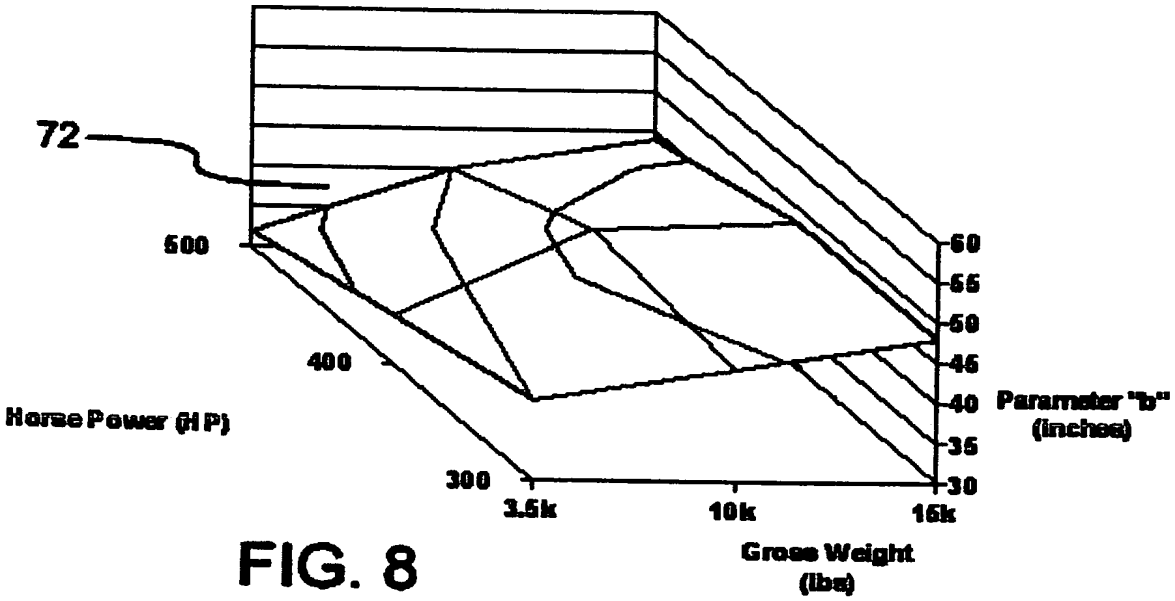


FIG. 8

Upper Parameter "B" Values for 35' boat.

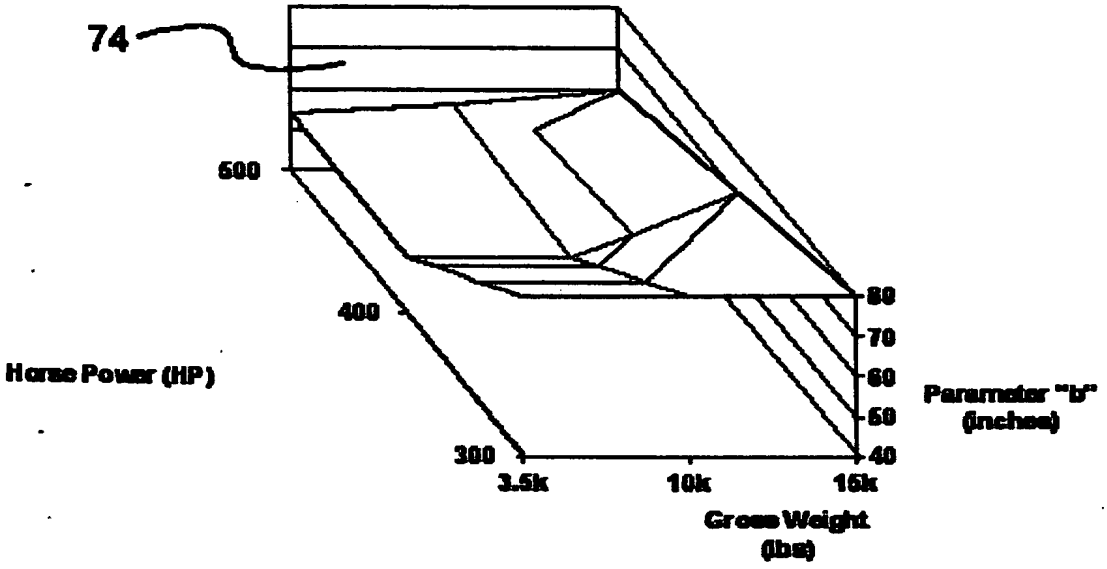


FIG. 9

Lower Parameter "B" values for 35' boat.

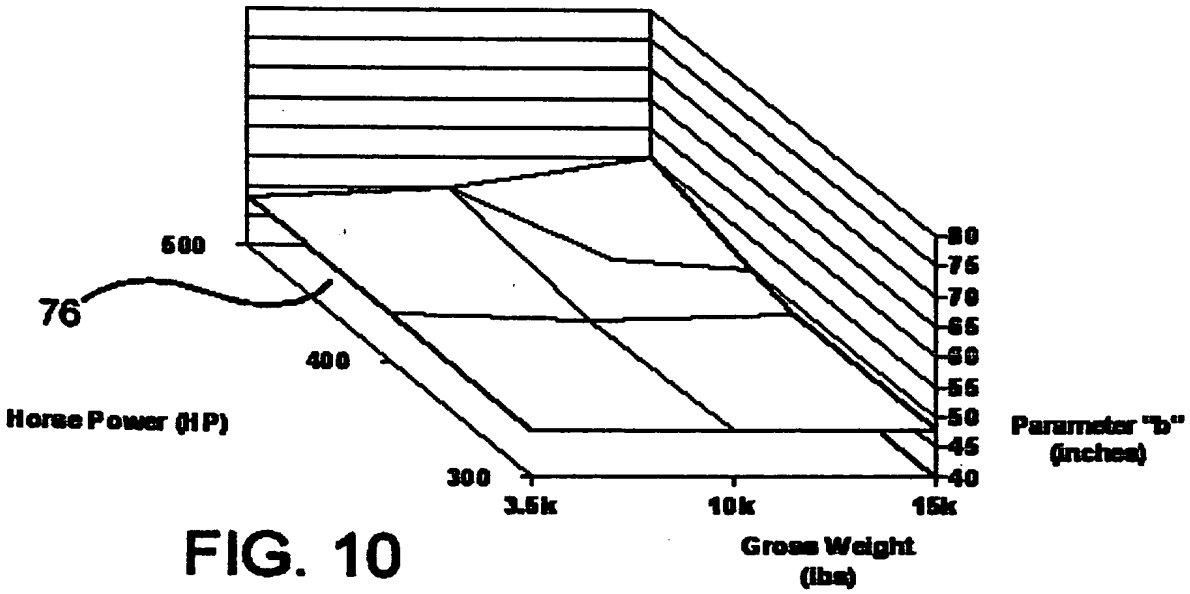


FIG. 10

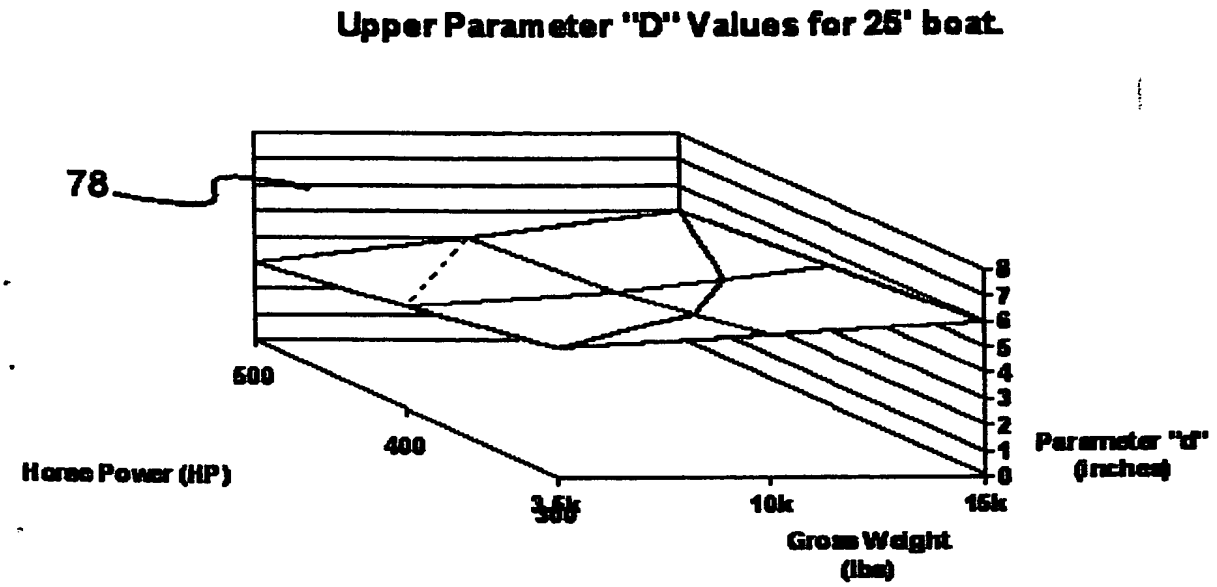

Upper Parameter "D" Values for 25' boat.
78
600
400
300
Horse Power (HP)
3.5k
10k
15k
Gross Weight (lbs)
8
7
6
5
4
3
2
1
0
Parameter "d" (inches)

FIG. 11

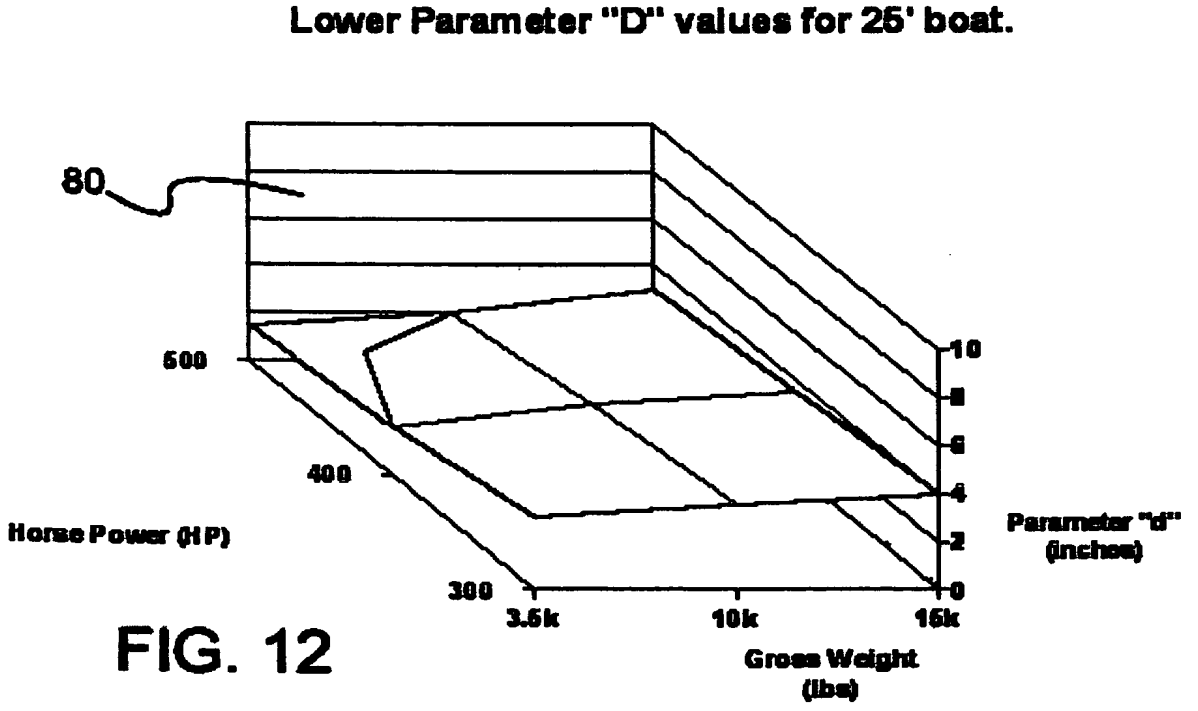

Lower Parameter "D" values for 25' boat.
80
600
400
300
Horse Power (HP)
3.5k
10k
15k
Gross Weight (lbs)
10
8
6
4
2
0
Parameter "d" (inches)

FIG. 12

Upper Parameter "D" Values for 35' boat.

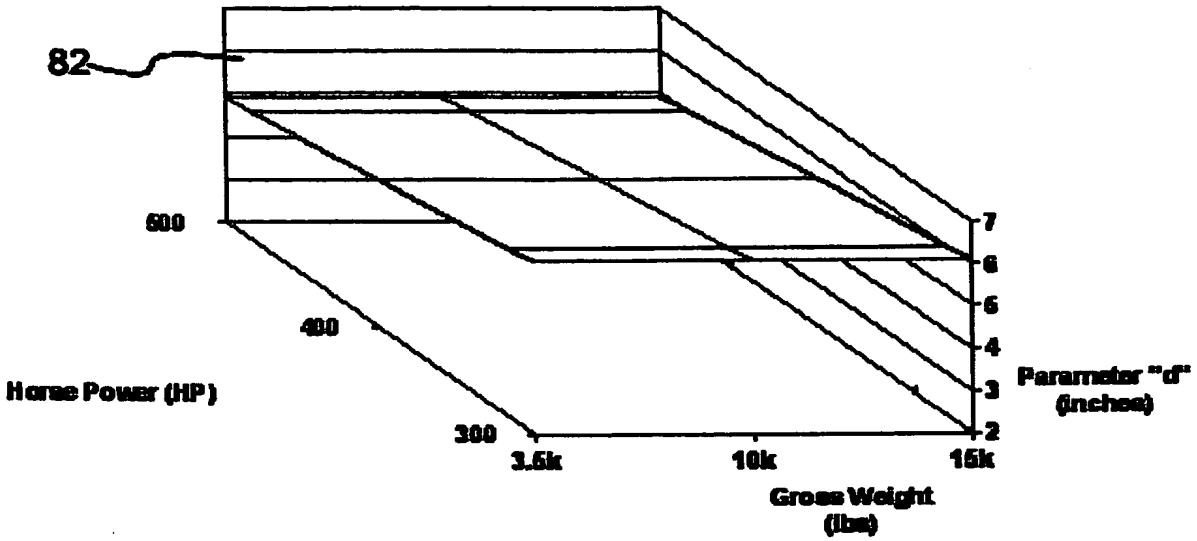


FIG. 13

Lower Parameter "D" values for 35' boat.

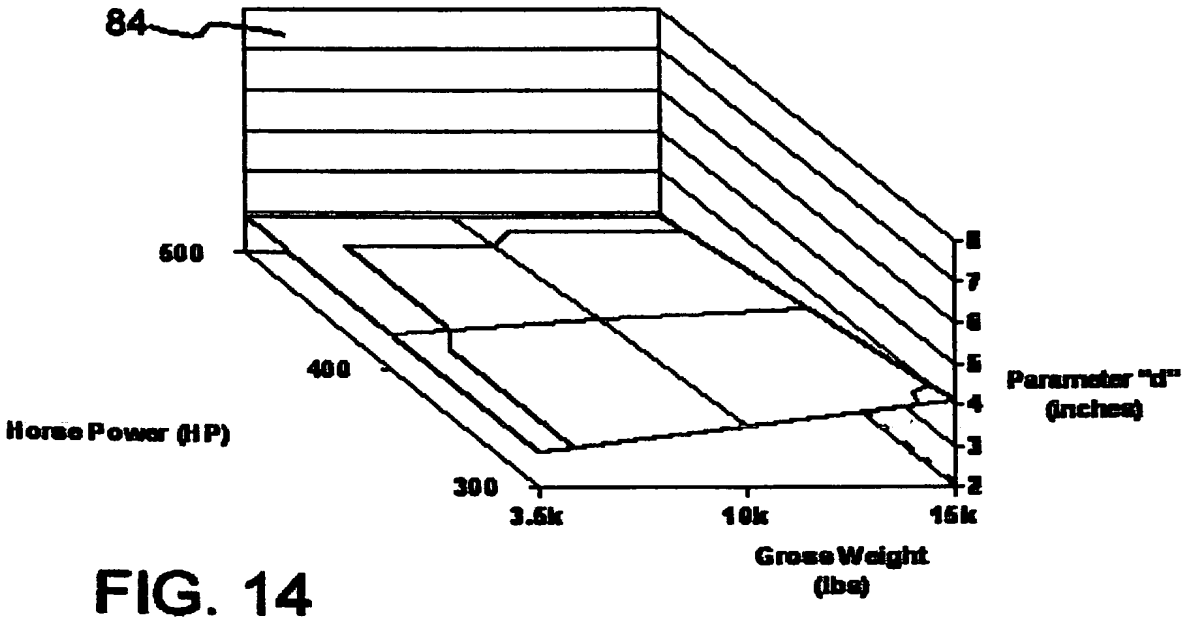


FIG. 14